

Roll No. ....

**Y – 3194**

**M.Sc. (Bio-Technology) (Second Semester)**

**EXAMINATION, May/June-2021**

Paper – 201

**MOLECULAR BIOLOGY**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**—Attempt *all* questions.

**Unit-I**

1. Discuss the regulation of DNA Replication. Briefly describe the general features of chromosomal replication. 17

**Unit-II**

2. What is operon concept ? Discuss in detail structure and regulation of Tryptothan operons. 17

**Unit-III**

3. Discuss post-transcriptional modifications in eukaryotes. 17

**Unit-IV**

4. Describe post translational modification with types and significance. 17

**Unit-V**

5. Discuss regulation of gene expression in eukaryotes. 17

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